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(54) **GARMENT FOR ELEVATING PHYSIOLOGICAL LOAD UNDER MOTION**

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(57) **ABSTRACT**

Disclosed is a garment configured to receive resistance elements for elevating physiological load under motion. The garment includes left and right docking platforms for receiving left and right resistance elements which provide resistance to movement throughout an angular range of motion. The garment may be low profile, and worn by a wearer as a primary garment or beneath conventional clothing. Force transfer layers may be provided to transmit torque from the docking platforms to the garment while minimizing stretching or wrinkling of the garment. The garment may be a compression garment, including or constructed from fabric having at least about 30% stretch prior to tensile failure. Sensors may be provided for sensing any of a variety of biometric parameters and for determining exerted power or calories consumed.